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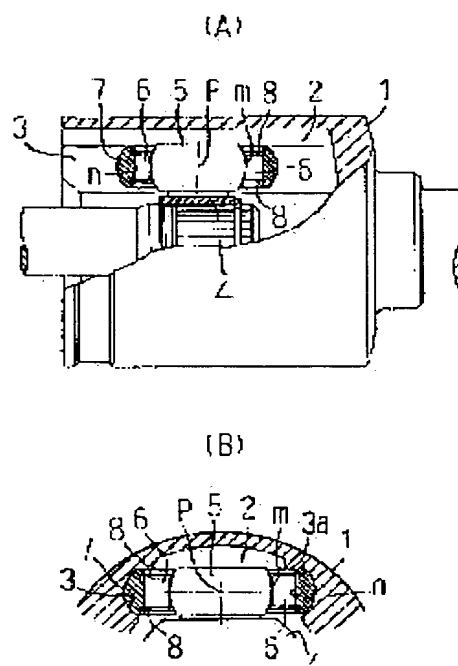
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## (54) TRIPOD TYPE CONSTANT VELOCITY UNIVERSAL JOINT

(57)Abstract:

PROBLEM TO BE SOLVED: To reduce the generation of induced thrust when torque is transmitted in a state that a joint is brought into an operation angle.

SOLUTION: The outer peripheral surface (m) of the leg stem 5 of a tripod member 4 forms a spherical peripheral surface having a center P of the axis of the leg stem 5, and the cylinder inner peripheral surface (n) of a roller (7) is fitted in externally of a spherical outer peripheral surface (m) through a roller bearing 6. When, in a state that a joint is brought into a working angle  $\theta$ , torque is transmitted, the roller 7 is tolled over a roller guide surface 3 with an attitude paralleling the axis of an outer ring 1 maintained in a way that smooth relative movement to the cylinder inner peripheral surface (n) of the roller 7 is effected as the spherical outer peripheral surface (m) of the leg stem 5 is rotated centering around the center P thereof, and smooth relative movement in the direction of the axis of an outer ring. This constitution reduces the generation of induced thrust.



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